

LEARNING RESULTS		DEGREE OF MATCH	0=no link 1=weak link 2=good link 3=strong link
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LINKING MAINE'S LEARNING RESULTS

Pre-K-2
MATH

Name _____ School _____

Town _____ Grade _____ Phone _____

LEARNING RESULTS			DEGREE OF MATCH	0=no link 1=weak link 2=good link 3=strong link
A.	NUMBERS AND NUMBER SENSE Students will understand and demonstrate a sense of what numbers mean and how they are used. Students will be able to:			
A1.	Demonstrate an understanding of what numbers mean (e.g., that the number 7 stands for a group of objects).			
A2.	Understand the many uses of numbers (e.g., prices, recipes, measurement, directions in play).			
A3.	Order, compare, read, group, and apply place value concepts to numbers up to 1,000.			
A4.	Determine reasonableness of results when working with quantities.			
B.	COMPUTATION Students will understand and demonstrate computation skills. Students will be able to:			
B1.	Use and apply estimation with quantities, measurements, computations, and problem-solving.			
B2.	Use multiple strategies in solving problems involving addition and subtraction of whole numbers.			
B3.	Show understanding of addition and subtraction by using a variety of materials, strategies, and symbols			

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C.	DATA ANALYSIS AND STATISTICS Students will understand and apply concepts of data analysis. Students will be able to:			
C1.	Formulate and solve problems by collecting, arranging, and interpreting data.			
C2.	Make tallies and graphs of information gathered from immediate surroundings.			
D.	PROBABILITY Students will understand and apply concepts of probability. Students will be able to:			
D1.	Use concepts of chance and record outcomes of simple events			
E.	GEOMETRY Students will understand and apply concepts from geometry. Students will be able to:			
E1.	Describe, model, and classify 2D shapes and selected 3D figures.			
E2.	Investigate and predict the results of combining, dividing, and changing 2D shapes.			
E3.	Use positional words to describe the relationship of two or more objects (e.g., over, under, beside, to the left, etc.).			
F.	MEASUREMENT Students will understand and demonstrate measurement skills. Students will be able to:			
F1.	Estimate and measure length, time, temperature, weight, and capacity.			
F2.	Identify and give the value of different coins.			

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F3.	Select standard and non-standard tools for determining length, time, temperature, weight, and capacity, and use them to solve every day problems.			
G.	PATTERNS. RELATIONS. FUNCTIONS Students will understand that mathematics is the science of patterns, relationships, and functions. Students will be able to:			
G1.	Recognize, describe, extend, and create a wide variety of patterns.			
G2.	Explore the use of variables and open sentences to describe relationships.			
G3.	Represent and describe both geometric and numeric relationships.			
H.	ALGEBRA CONCEPTS Students will understand and apply algebraic concepts. Students will be able to:			
H1.	Make drawings for problem situations and mathematical expressions in which there is an unknown, using a variety of tools and approaches.			
H2.	Use language and symbols to express numerical and other relationships.			
I.	DISCRETE MATHEMATICS Students will understand and apply concepts in discrete mathematics. Students will be able to:			

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I1.	Classify sets of objects into two or more groups using their attributes.			
I2.	Create and use an organized list to determine possible outcomes or solve problems.			
J.	MATHEMATICAL REASONING Students will understand and apply concepts of mathematical reasoning. Students will be able to:			
J1.	Describe a simple argument's strengths and weaknesses.			
J2.	Distinguish between "important" and "unimportant" mathematical information.			
K.	MATHEMATICAL COMMUNICATION Students will reflect upon their understanding of mathematical ideas and relationships. Students will be able to:			
K1.	Use numerals and symbols (>, <, =, -) to report numerical data and relationships.			